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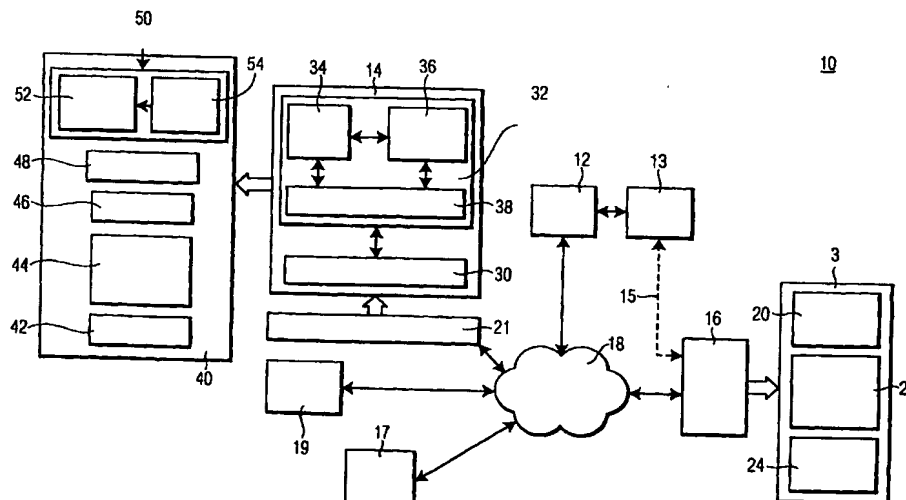
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## Declaration under Rule 4.17:

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[Continued on next page]

(54) Title: METHOD FOR MANAGING A METRIC FOR USE ON A DIAGNOSTIC MEDICAL MODALITY AND APPARATUS AND METHOD FOR CONDUCTING A MEDICAL INVESTIGATION



(57) Abstract: A method (200) for remotely managing a metric (12) adapted for use on a diagnostic medical modality (21) is provided. The diagnostic medical modality (21) is responsive to a software program (38) which, when executed, causes the diagnostic medical modality (21) to conduct a medical investigation based on the metric (12). The method (200) includes retrieving (202) via the World Wide Web (18) a metric (12) associated with the diagnostic medical modality (21); verifying (204) the integrity of the metric (12); and downloading the metric (12) to the diagnostic medical modality (21). The method (200) may be implemented by a computer-readable storage medium having stored thereon one or more software programs (24) which, when executed, implement the method.



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## INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER  
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According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)  
EPO-Internal

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	EP 1 081 643 A (NCR INTERNATIONAL, INC) 7 March 2001 (2001-03-07) abstract paragraph '0009! paragraph '0017! paragraph '0019! paragraphs '0035! - '0038! paragraphs '0041! - '0046! paragraph '0069!	1-18
Y	KERR J., WILSON P.: "Web-based knowledge acquisition and diagnostic aid in a medical imaging domain" PROCEEDINGS OF KES 2001, vol. 2, 2001, pages 904-909, XP009042824 NETHERLANDS pages 904-909 ----- -/--	1-18

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	<p>FABER K; KRECHEL D; REIDENBACH D; VON WANGENHEIM A; WILLE P R: "Modelling of radiological examinations with POKMAT, a process oriented knowledge management tool"</p> <p>ARTIFICIAL INTELLIGENCE IN MEDICINE. 8TH CONFERENCE ON ARTIFICIAL INTELLIGENCE IN MEDICINE IN EUROPE, AIME 2001. PROCEEDINGS, LECTURE NOTES IN ARTIFICIAL INTELLIGENCE VOL. 2101, 2001, pages 409-412, XP009042821 GERMANY pages 409-412</p>	1-18
A	<p>MARSH A: "The establishment of a pilot telemedical information society"</p> <p>11 March 1999 (1999-03-11), FUTURE GENERATIONS COMPUTER SYSTEMS, ELSEVIER SCIENCE PUBLISHERS. AMSTERDAM, NL, PAGE(S) 133-156 , XP004222984 ISSN: 0167-739X page 147, left-hand column, paragraph 5.6</p>	1
A	<p>PANGALOS G J: "Secure medical databases: design and operation"</p> <p>INTERNATIONAL JOURNAL OF BIO-MEDICAL COMPUTING, ELSEVIER SCIENCE PUBLISHERS, SHANNON, IE, vol. 43, no. 1, October 1996 (1996-10), pages 53-60, XP004015609 ISSN: 0020-7101 page 53, right-hand column, line 8</p>	1
A	<p>US 2001/051938 A1 (HART PETER ET AL) 13 December 2001 (2001-12-13) abstract paragraphs '0008! - '0012! paragraph '0055!</p>	1-18

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## INTERNATIONAL SEARCH REPORT

IB 03/05969

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 1081643	A	07-03-2001	CA 2317244 A1	01-03-2001
			EP 1081643 A2	07-03-2001
			JP 2001117775 A	27-04-2001
US 2001051938	A1	13-12-2001	US 6295525 B1	25-09-2001
			US 6049792 A	11-04-2000
			US 6041182 A	21-03-2000
			US 5546502 A	13-08-1996
			US 2004073403 A1	15-04-2004
			GB 2329989 A ,B	07-04-1999
			HK 1019797 A1	13-07-2001
			JP 11167452 A	22-06-1999
			DE 616288 T1	30-11-1995
			EP 0616288 A2	21-09-1994
			JP 6274300 A	30-09-1994
			JP 2004046813 A	12-02-2004

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